

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/006687

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 313 274 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 21 May 2003 (2003-05-21) column 6, line 7 - column 6, line 43 column 8, line 27 - line 51 figure 2	1-9
Y	----- WO 03/034763 A (MOTOROLA INC; DELOUME, PASCAL, STEPHANE; GARANI, PRADEEP) 24 April 2003 (2003-04-24) page 5, line 1 - page 6, line 3; figure 1 page 7, line 1 - page 8, last line ; figure 2	1-9
A	----- LINKSYS: "EtherFast Cable/DSL Router with QoS and 8-Port Switch (BEFSR81 User Guide)" LINKSYS, 2003, XP002335011 page 53 - page 54; figures 6-26 -----	1-9

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

7 July 2005

Date of mailing of the international search report

22. 09. 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lastoria, G

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

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Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9

A packet-relay unit comprising a first and a second network interfaces (NI), a function setting-switch for setting quality guarantee to packets fed into the second NI by the first NI, wherein said second NI comprises a classifying unit adapted to either send said packet directly to the transceiver of said second NI, if the quality guarantee for said packet is not set, or send the packet to the transceiver via a priority control unit, if the quality guarantee for said packet is set.

2. claims: 10-14

A packet-relay unit comprising a first and a second network interfaces (NI), a first switch for setting quality guarantee to packets fed into the second NI by the first NI and a marker adapted to increase or decrease the priority of the packet depending on the setting given to the packets by said first switch.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1313274	A	21-05-2003	CN 1420665 A US 2003095551 A1	28-05-2003 22-05-2003
WO 03034763	A	24-04-2003	EP 1303156 A1 TW 579465 B	16-04-2003 11-03-2004